

LISTING OF THE CLAIMS

1.-16. (Cancelled)

17. (Currently Amended) An abrasive carbon foam having an adherent surface comprising:
 an abrasive carbon foam body having a surface, wherein the abrasive carbon foam body
 is produced by blending particulate coal having a free swell index ranging from about 3.5 to
 about 5.0 with about 1% to about 10% by volume of a carbide precursor powder to form a
 reactive blend wherein the carbide precursor is selected from the group consisting of tungsten,
 silicon, and titanium, and controllably heating said reactive blend in a mold under a non-
 oxidizing atmosphere to a first temperature ranging from about 300°C to about 600°C and
 ~~soaking a~~ soaking at this temperature for a period ranging from about 10 minutes to about 12
 hours; and
 an epoxy-graphite adhesive on the surface of the abrasive carbon foam body.